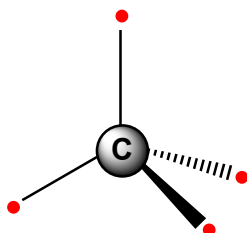


Sponholtz Productions

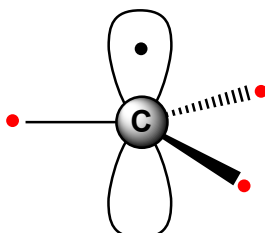
Answers Review Chapter 5 Hybridization Theory "Building Blocks" for C, N, and O

sp^3



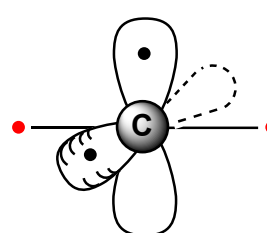
4 Sigma Bonds
0 Pi Bonds
0 # Lone Pairs

sp^2

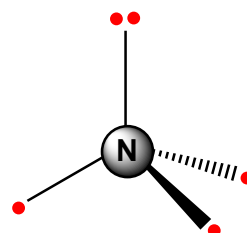


3 Sigma Bonds
1 Pi Bonds
0 # Lone Pairs

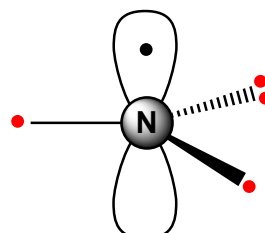
sp



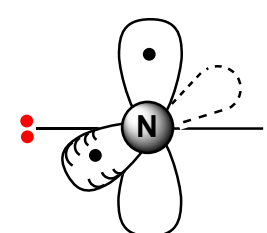
2 Sigma Bonds
2 Pi Bonds
0 # Lone Pairs



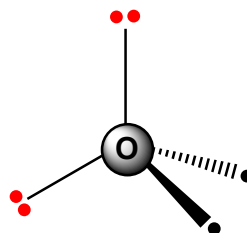
3 Sigma Bonds
0 Pi Bonds
1 # Lone Pairs



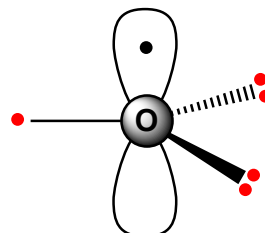
2 Sigma Bonds
1 Pi Bonds
1 # Lone Pairs



1 Sigma Bonds
2 Pi Bonds
1 # Lone Pairs



2 Sigma Bonds
0 Pi Bonds
2 # Lone Pairs



1 Sigma Bonds
1 Pi Bonds
2 # Lone Pairs

NOTE: red electrons are in hybridized orbitals and black electrons are in unhybridized orbitals